HEAT TRANSFER PACKAGE: SERIES HTP

SUGGESTED SPECIFICATIONS

Furnish and install where shown on the plans a heat transfer package series HTP as manufactured by FabPro Systems. The system shall provide the capacity as scheduled on the drawings.

A. The heat transfer system shall be factory assembled and tested on a common steel frame including centrifugal pumps, triple duty valves, butterfly valves, suction diffusers, heat exchanger, steam trap, expansion tank, air separator, temperature and pressure gauges, interconnecting schedule 40 steel system piping and a NEMA 1 motor starter panel with disconnect switch.

B. The centrifugal pumps shall be cast iron bronze fitted suitable for a working pressure of 175psi with mechanical seal capable of being serviced while the standby pump is operating. The pump motor shall be high efficiency design and shall not exceed nameplate horsepower rating throughout the entire curve.

C. The shell and tube heat exchanger shall be ASME, National Board registered with a removable tube bundle, cast iron or steel head, copper tubes, constructed for 150psi, 375F and shall include a vacuum breaker and a steam trap assembly.

D. The packaged system is to include an ASME tangential air separator with a high capacity air vent, ASME diaphragm type expansion tank, relief valve, and a system fill connection with an automatic fill valve.

E. Mount and wire on the system a NEMA 1 duplex control panel, with magnetic motor starters, cover interlocked fused disconnect switch, Hand-Off-Auto selector switches, pump running pilot lights, fused control circuit transformer and a numbered terminal strip with wiring diagrams.

F. The system manufacturer shall provide single source responsibility for all the components provided on the packaged system. All components and interconnecting piping shall be arranged to permit easy removal and servicing of the package components. The entire system is to be factory assembled, tested and painted with a high grade enamel prior to shipment.